

Site Name EPA ID OU FYR Action Action ID Lead Finish (Actuals)

Region: 09 Non Federal Facilities

Region: 09 SFD-7-1

CA Site Cleanup Section I

ADVANCED MICRO DEVICES, INC.

CAD048634059

00

GOVT Five-Year Review

FE4

F

09/30/14

Site Primary RPM Name: Schulman, Michael

FYR Issues and Recommendations

<u>Issue Category</u>	<u>Issue</u>	<u>Affects Prctcnss</u>		<u>Recommendation</u>	<u>Parties</u>		<u>Original</u>	<u>Current</u>	<u>Actual</u>	<u>Status</u>	<u>Verified by</u>
		<u>Curr</u>	<u>Fut</u>		<u>Implmt</u>	<u>Ovrst</u>	<u>Planned</u>	<u>Planned</u>	<u>Completion</u>		
							<u>Completion</u>	<u>Completion</u>	<u>Completion</u>		<u>RPM Date</u>
							<u>Date</u>	<u>Date</u>	<u>Date</u>		
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	E	E	09/30/16	03/01/24		Under Discussion	07/22/21
<u>Issue OU:</u> 01	[OU - AMD 901/902] The remedy selected for the Site is no longer being operated.			[OU - AMD 901/902] Selected a revised cleanup plan and prepare a revised EPA decision document.				[OU - AMD 901/902] The PRP has submitted an FFS to EPA, which is currently under review.		[OU - AMD 901/902]	

ADVANCED MICRO DEVICES, INC.

CAD048634059

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GOVT Five-Year Review

FE9

F

09/18/19

Site Primary RPM Name: Schulman, Michael

FYR Issues and Recommendations

<u>Issue Category</u>	<u>Issue</u>	<u>Affects Prctcnss</u>		<u>Recommendation</u>	<u>Parties</u>		<u>Original</u>	<u>Current</u>	<u>Actual</u>	<u>Status</u>	<u>Verified by</u>
		<u>Curr</u>	<u>Fut</u>		<u>Implmt</u>	<u>Ovrst</u>	<u>Planned</u>	<u>Planned</u>	<u>Completion</u>		
							<u>Completion</u>	<u>Completion</u>	<u>Completion</u>		<u>RPM Date</u>
							<u>Date</u>	<u>Date</u>	<u>Date</u>		
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/22		Ongoing	07/22/21
<u>Issue OU:</u> 01	[Signetics, Inc. [also transferred to Triple Site] Outdoor air TCE levels have shown a g]enerally upward trend over time since regular sampling commenced in January 2015.			[Signetics, Inc.] [also transferred to Triple Site] : Investigate contributions to outdoor air TCE levels from fugitive emissions from the groundwater treatment system and emissions from the vapor intrusion mitigation systems.				[Signetics, Inc.] [also transferred to Triple Site]		[Signetics, Inc.] [also transferred to Triple Site]	
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/25		Ongoing	07/22/21
<u>Issue OU:</u> 01	The remedy selected for the TRW Site is no longer being operated.			Select a revised remedy which incorporates long-term stewardship measures for the current vapor intrusion mitigation measures in place, as well as addresses potential vapor intrusion in the event of future land use changes.				More time needed to select a revised remedy.			

** For purposes of this report, "Complete", "Addressed in the Next FYR" and "Considered and Not Implemented" are considered complete statues for issue/recommendations. Issue/recommendation statuses of "Ongoing", "Under Discussion" and "Blank" are considered not complete.

U.S. EPA SUPERFUND PROGRAM
 SEMS
 Five Year Review Issues and Recommendations Report

<u>Site Name</u>				<u>EPA ID</u>	<u>OU</u>	<u>FYR Action</u>	<u>Action ID</u>	<u>Lead</u>	<u>Finish (Actuals)</u>	
Remedy Performance	Remedy Performance - Other Issue	N	Y	Repair or add armor to cap	P	E	09/01/22	09/01/25	Ongoing	07/22/21
<u>Issue OU: 01</u>	[Transferred from TRW Microwave, Inc. Building 825] The remedy selected for the AMD Site is no longer being operated and does not address vapor intrusion.			[Transferred from TRW Microwave, Inc. Building 825] Select a revised remedy which also addresses potential vapor intrusion in the event of future land use changes.			[Transferred from TRW Microwave, Inc. Building 825] More time needed to select a revised remedy.	[Transferred from TRW Microwave, Inc. Building 825]		

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U.S. EPA SUPERFUND PROGRAM
 SEMS
 Five Year Review Issues and Recommendations Report

<u>Site Name</u>	<u>EPA ID</u>	<u>OU</u>	<u>FYR Action</u>	<u>Action ID</u>	<u>Lead</u>	<u>Finish (Actuals)</u>
INTERSIL INC./SIEMENS COMPONENTS	CAD041472341	00	GOVT Five-Year Review	FE6	F	09/28/20
<u>Site Primary RPM Name:</u> Schulman, Michael						

FYR Issues and Recommendations

<u>Issue Category</u>	<u>Issue</u>	<u>Affects Prctvns</u>		<u>Recommendation</u>	<u>Parties</u>		<u>Original</u>	<u>Current</u>	<u>Actual</u>	<u>Status</u>	<u>Verified by</u>
		<u>Curr</u>	<u>Fut</u>		<u>Implmt</u>	<u>Ovrst</u>	<u>Planned</u>	<u>Planned</u>	<u>Completion</u>		
							<u>Completion</u>	<u>Completion</u>	<u>Completion</u>		<u>RPM Date</u>
							<u>Date</u>	<u>Date</u>	<u>Date</u>		
Monitoring	Monitoring not being conducted	N	Y	Install new groundwater monitoring wells	P	S	12/30/24	12/30/24		Ongoing	07/22/21
<u>Issue OU:</u> 01				Install additional monitoring wells to delineate groundwater contamination within the A1 and A3 Zones of the Resaturated Interval, south of Forge Drive within the former Intersil property.							

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U.S. EPA SUPERFUND PROGRAM
 SEMS
 Five Year Review Issues and Recommendations Report

Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
TRIPLE SITE	CAN000900265	00	GOVT Five-Year Review	FE1	F	09/18/19
Site Primary RPM Name: Schulman, Michael						

FYR Issues and Recommendations

Issue Category	Issue	Affects Prctvns		Recommendation	Parties		Original Planned Completion	Current Planned Completion	Actual Completion	Status	Verified by RPM Date
		Curr	Fut		Implmt	Ovrst	Date	Date	Date		
Changed Site Conditions	Changed site condition - Other Issue	N	Y	Changed Site Conditions - Other Recommendation	P	E	09/01/22	09/01/25		Ongoing	07/22/21
<u>Issue OU:</u> 01, 02	Indoor air sampling results indicate that the vapor intrusion pathway is complete in buildings in the Offsite OU			Select a revised remedy which addresses vapor intrusion.			More time needed for selection of revised remedy.				
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/22		Ongoing	07/22/21
<u>Issue OU:</u> 01, 02	Outdoor air TCE levels have shown a generally upward trend over time since regular sampling commenced in January 2015.			Investigate contributions to outdoor air TCE levels from fugitive emissions from the groundwater treatment system and emissions from the vapor intrusion mitigation systems.							
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/25		Ongoing	07/22/21
<u>Issue OU:</u> 01, 02	The remedy selected for the Offsite OU will not be able to achieve the remedial action objective of restoration of groundwater in a reasonable timeframe, as defined in the ROD.			Conduct remedy performance optimization efforts, after investigating whether hydrogeology is adequately characterized. A revised remedy may be needed to achieve the RAOs.			More time needed to conduct remedy performance optimization efforts.				
Changed Site Conditions	Changed site condition - Other Issue	N	Y	Changed Site Conditions - Other Recommendation	P	E	09/01/22	09/01/25		Ongoing	07/22/21
<u>Issue OU:</u> 02	[Transferred from Advanced Micro Devices, Inc.] Indoor air sampling results indicate that the vapor intrusion pathway is complete in buildings in the Offsite OU.			[Transferred from Advanced Micro Devices, Inc.] Select a revised remedy which addresses vapor intrusion.			[Transferred from Advanced Micro Devices, Inc.] More time needed to select a revised remedy which addresses vapor intrusion.		[Transferred from Advanced Micro Devices, Inc.]		
Changed Site Conditions	Changed site condition - Other Issue	N	Y	Changed Site Conditions - Other Recommendation	P	E	09/01/22	09/01/25		Under Discussion	07/22/21
<u>Issue OU:</u> 02	[Transferred from TRW Microwave, Inc. Building 825] Indoor air sampling results indicate that the vapor intrusion pathway is complete in buildings in the Offsite OU			[Transferred from TRW Microwave, Inc. Building 825] Select a revised remedy which addresses vapor intrusion.			[Transferred from TRW Microwave, Inc. Building 825] More time needed to select a revised remedy which addresses vapor intrusion.		[Transferred from TRW Microwave, Inc. Building 825]		

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U.S. EPA SUPERFUND PROGRAM
 SEMS
 Five Year Review Issues and Recommendations Report

<u>Site Name</u>				<u>EPA ID</u>	<u>OU</u>	<u>FYR Action</u>	<u>Action ID</u>	<u>Lead</u>	<u>Finish (Actuals)</u>	
Changed Site Conditions <u>Issue OU: 02</u>	Changed site condition - Other Issue [Transferred from Advanced Micro Devices, Inc.] Groundwater concentrations in the off-site plume indicate a potential for vapor intrusion in an area with 4 schools and over 100 residences. There has been limited indoor air sampling in the area.	N	N	Conduct additional studies	P	E	09/30/15	12/30/23	Ongoing	07/22/21
				[Transferred from Advanced Micro Devices, Inc.] Conduct additional vapor intrusion assessments at the site.			[Transferred from Advanced Micro Devices, Inc.] A protectiveness determination of the remedy at the OOU cannot be made at this time until further information is obtained. Vapor intrusion assessments must be conducted to determine if indoor air pathways are complete. If unacceptable levels are encountered in a particular building, mitigation plans will be implemented to ensure that levels of VOCs in indoor air are protective. EPA began a vapor intrusion assessment and completed this effort in September 2019 by negotiating an AOC with the RPs to require preemptive mitigation of 40 residential buildings in the highest VI-risk area of the OOU, rather than back-and-forth monitoring indefinitely. To date, more than 20 school and residential mitigation systems have been installed. O&M inspections are ongoing in mitigated buildings. Need to complete two winter sampling events.		[Transferred from Advanced Micro Devices, Inc.]	
Remedy Performance <u>Issue OU: 02</u>	Remedy Performance - Other Issue [Transferred from Advanced Micro Devices, Inc.] Outdoor air TCE levels have shown a generally upward trend over time since regular sampling commenced in January 2015.	N	Y	Remedy Performance - Other Recommendation [Transferred from Advanced Micro Devices, Inc.] : Investigate contributions to outdoor air TCE levels from fugitive emissions from the groundwater treatment system and emissions from the vapor intrusion mitigation systems.	P	E	09/01/22	09/01/22	Ongoing	07/22/21
							Transferred from Advanced Micro Devices, Inc.]		Transferred from Advanced Micro Devices, Inc.]	
Remedy Performance <u>Issue OU: 02</u>	Remedy Performance - Other Issue [Transferred from TRW Microwave, Inc. Building 825] Outdoor air TCE levels have shown a generally upward trend over time since regular sampling commenced in January 2015.	N	Y	Remedy Performance - Other Recommendation [Transferred from TRW Microwave, Inc. Building 825] Investigate contributions to outdoor air TCE levels from fugitive emissions from the groundwater treatment system and emissions from the vapor intrusion mitigation systems.	P	E	09/01/22	09/01/22	Ongoing	07/30/21
							[Transferred from TRW Microwave, Inc. Building 825]		[Transferred from TRW Microwave, Inc. Building 825]	

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 SEMS
 Five Year Review Issues and Recommendations Report

<u>Site Name</u>				<u>EPA ID</u>	<u>OU</u>	<u>FYR Action</u>	<u>Action ID</u>	<u>Lead</u>	<u>Finish (Actuals)</u>	
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/25	Ongoing	07/22/21
<u>Issue OU:</u> 02	[Transferred from Advanced Micro Devices, Inc.] The remedy selected for the Offsite OU will not be able to achieve the remedial action objective of restoration of groundwater in a reasonable timeframe, as defined in the ROD.			[Transferred from Advanced Micro Devices, Inc.] : Conduct remedy performance optimization efforts, after investigating whether hydrogeology is adequately characterized. A revised remedy may be needed to achieve the RAOs.			[Transferred from Advanced Micro Devices, Inc.] More time needed to conduct remedy performance optimization efforts.	[Transferred from Advanced Micro Devices, Inc.]		
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/25	Ongoing	07/30/21
<u>Issue OU:</u> 02	[Transferred from TRW Microwave, Inc. Building 825] The remedy selected for the Offsite OU will not be able to achieve the remedial action objective of restoration of groundwater in a reasonable timeframe, as defined in the ROD.			[Transferred from TRW Microwave, Inc. Building 825] onduct remedy performance optimization efforts, after investigating whether hydrogeology is adequately characterized. A revised remedy may be needed to achieve the RAOs.			[Transferred from TRW Microwave, Inc. Building 825] More time needed to conduct remedy performance optimization efforts.	[Transferred from TRW Microwave, Inc. Building 825]		

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U.S. EPA SUPERFUND PROGRAM
 SEMS
 Five Year Review Issues and Recommendations Report

Site Name	EPA ID	OU	FYR Action	Action ID	Lead	Finish (Actuals)
TRW MICROWAVE, INC (BUILDING 825)	CAD009159088	00	GOVT Five-Year Review	FE6	F	09/18/19
Site Primary RPM Name: Schulman, Michael						

FYR Issues and Recommendations

<u>Issue Category</u>	<u>Issue</u>	<u>Affects Prctvns</u>		<u>Recommendation</u>	<u>Parties</u>		<u>Original</u>	<u>Current</u>	<u>Actual</u>	<u>Status</u>	<u>Verified by</u>
		<u>Curr</u>	<u>Fut</u>		<u>Implmt</u>	<u>Ovrst</u>	<u>Planned</u>	<u>Planned</u>	<u>Completion</u>		
							<u>Date</u>	<u>Date</u>	<u>Date</u>		<u>RPM Date</u>
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/25		Ongoing	07/22/21
<u>Issue OU:</u> 01	The remedy selected for the TRW Site is no longer being operated.			Select a revised remedy which incorporates long-term stewardship measures for the current vapor intrusion mitigation measures in place, as well as addresses potential vapor intrusion in the event of future land use changes.			More time needed to select a revised remedy.				
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/22		Ongoing	07/22/21
<u>Issue OU:</u> 01	[Signetics, Inc.] [also transferred to Triple Site] Outdoor air TCE levels have shown a generally upward trend over time since regular sampling commenced in January 2015.			[Signetics, Inc.] [also transferred to Triple Site] Investigate contributions to outdoor air TCE levels from fugitive emissions from the groundwater treatment system and emissions from the vapor intrusion mitigation systems.			[Signetics, Inc.] [also transferred to Triple Site]		[Signetics, Inc.] [also transferred to Triple Site]		
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	P	E	09/01/22	09/01/25		Ongoing	07/22/21
<u>Issue OU:</u> 01	[Transferred from Advanced Micro Devices, Inc.] The remedy selected for the AMD Site is no longer being operated and does not address vapor intrusion.			[Transferred from Advanced Micro Devices, Inc.] Select a revised remedy which also addresses potential vapor intrusion in the event of future land use changes.			[Transferred from Advanced Micro Devices, Inc.] More time needed to Select a revised remedy.		[Transferred from Advanced Micro Devices, Inc.]		
Remedy Performance	Remedy Performance - Other Issue	N	Y	Remedy Performance - Other Recommendation	E	E	09/30/16	03/01/24		Under Discussion	07/22/21
<u>Issue OU:</u> 01	[Transferred from Advanced Micro Devices, Inc.] The remedy selected for the Site is no longer being operated.			[Transferred from Advanced Micro Devices, Inc.] Selected a revised cleanup plan and prepare a revised EPA decision document.			[Transferred from Advanced Micro Devices, Inc.] RP conducting additional site characterization activities to develop an FFS to support a RODA.		[Transferred from Advanced Micro Devices, Inc.]		

Region 09 CA Site Cleanup Section I Totals

Total Sites:	4	Total Issues Ongoing:	16	Total Issues with No Status Designated:	0	Total Issues (except completed) not verified by RPM within the last 6 months:	0
Total Reviews:	5	Total Issues Completed:	0	Total Issues Under Discussion:	3	Total Issues/Recommendations Not Complete:	0

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 SEMS
 Five Year Review Issues and Recommendations Report

<u>Site Name</u>	<u>EPA ID</u>	<u>OU</u>	<u>FYR Action</u>	<u>Action ID</u>	<u>Lead</u>	<u>Finish (Actuals)</u>
Region 09 Non Federal Facilities Totals						
Total Sites: 4	Total Issues Ongoing: 16	Total Issues with No Status Designated: 0	Total Issues (except completed) not verified by RPM within the last 6 months: 0			
Total Reviews: 5	Total Issues Completed: 0	Total Issues Under Discussion: 3	Total Issues/Recommendations Not Complete: 0			
Region 09 Totals						
Total Sites: 4	Total Issues Ongoing: 16	Total Issues with No Status Designated: 0	Total Issues (except completed) not verified by RPM within the last 6 months: 0			
Total Reviews: 5	Total Issues Completed: 0	Total Issues Under Discussion: 3	Total Issues/Recommendations Not Complete: 0			
All Totals						
Total Sites: 4	Total Issues Ongoing: 16	Total Issues with No Status Designated: 0	Total Issues (except completed) not verified by RPM within the last 6 months: 0			
Total Reviews: 5	Total Issues Completed: 0	Total Issues Under Discussion: 3	Total Issues/Recommendations Not Complete: 19			

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